

check the new command to determine if it relevant within the CCP. If the new command is authenticated then the new command is passed back to the Speech Activate CC Process (S890). Similarly, when we are not in the Dictation state (a non DAC Command is the CCP), the system authenticates the command as a new command, and passes it back to the Speech Activation process if it is valid (S902, S906-S908, S890).

Having described preferred embodiments of the invention with reference to the accompanying drawings, it is to be understood that the invention is not limited to those precise embodiments, and that various changes and modifications may be effected therein by one skilled in the art without departing from the scope or spirit of the invention as defined in the appended claims.

#### WHAT IS CLAIMED IS:

1. A method for controlling a plurality of processes by voice actuated grammars initiated by a user, each grammar having at least one phoneme, the steps comprising:
  - receiving an initial grammar from a process in response to said user initiating an utterance;
  - setting a command mode of operation when said initial grammar from said step of receiving is determined to be a command activation statement;
  - cycling through a first loop when in said command mode of operation;
  - under control of said first loop,

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12 receiving a data stream from said process, said data  
13 stream containing at least one grammar,  
14 storing said data stream in a data storage location such that  
15 each said at least one grammar is in a separate location of  
16 said data storage location,  
17 searching said data storage location for a valid  
18 command statement,  
19 setting an error condition when said step of  
20 searching does not find said valid command statement,  
21 processing said valid command statement when  
22 said step of searching finds said valid command statement,  
23 said valid command statement corresponding to at least  
24 one of said plurality of processes, and  
25 setting said mode of operation to a wait mode of  
26 operation when said step of processing said valid  
27 command statement is completed.

1 2. A method for controlling a plurality of processes as in claim 1, wherein said  
2 step of receiving a grammar from a process is a step of receiving a grammar from  
3 a speech-to-text processor.

1 3. A method for controlling a plurality of processes as in claim 1, wherein said  
2 step of searching said data storage location for a valid command statement is a  
3 step of comparing each said at least one grammar to a known vocabulary table.

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4. A method for controlling a plurality of processes as in claim 1, wherein said step of searching said data storage location for a valid command statement is a step of comparing each said at least one grammar to a known vocabulary table, said vocabulary table containing a list of system commands and application commands.

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5. A method for controlling a plurality of processes as in claim 1, wherein said step of searching said data storage location for a valid command statement is a step of comparing each said at least one grammar to a known vocabulary table, said vocabulary table containing a list of system commands and application commands which are registered in a process registration database.

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6. A method for controlling a plurality of processes as in claim 2, wherein said step of searching said data storage location for a valid command statement is a step of comparing each said at least one grammar to a known vocabulary table.

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7. A method for controlling a plurality of processes as in claim 2, wherein said step of searching said data storage location for a valid command statement is a step of comparing each said at least one grammar to a known vocabulary table.

5  
8. A method for controlling a plurality of processes as in claim 2, wherein said step of searching said data storage location for a valid command statement is a step of comparing each said at least one grammar to a known vocabulary table, said vocabulary table containing a list of system commands and application commands which are registered in a process registration database.

1 7. A method for controlling a plurality of processes as in claim 3, wherein said  
2 step of searching said data storage location for a valid command statement is a  
3 step of comparing each said at least one grammar to a known vocabulary table,  
4 said vocabulary table containing a list of system commands and application  
5 commands.

1 8. A method for controlling a plurality of processes as in claim 3, wherein said  
2 step of searching said data storage location for a valid command statement is a  
3 step of comparing each said at least one grammar to a known vocabulary table,  
4 said vocabulary table containing a list of system commands and application  
5 commands which are registered in a process registration database.

1 10. A method for controlling a plurality of processes as in claim 4, wherein said  
2 step of searching said data storage location for a valid command statement is a  
3 step of comparing each said at least one grammar to a known vocabulary table,  
4 said vocabulary table containing a list of system commands and application  
5 commands.

1 12. A method for controlling a plurality of processes by voice actuated grammars  
2 initiated by a user, each grammar having at least one phoneme, the steps  
3 comprising:

4 receiving an initial grammar from a process in response to said  
5 user initiating an utterance, said process including a speech-to-text  
6 processor;

7 setting a command mode of operation when said initial grammar

8 from said step of receiving is determined to be a command activation  
9 statement;

10 cycling through a first loop when in said command mode of  
11 operation;

12 under control of said first loop,

13 receiving a data stream from said process, said data  
14 stream containing at least one grammar,

15 storing said data stream in a data storage location  
16 such that each said at least one grammar is in a separate  
17 location of said data storage location,

18 searching said data storage location for a valid  
19 command statement, said step of searching includes  
20 comparing each said at least one grammar to a known  
21 vocabulary table, said vocabulary table containing a list of  
22 system commands and application commands which are  
23 registered in a process registration database;

24 setting an error condition when said step of  
25 searching does not find said valid command statement,

26 processing said valid command statement when  
27 said step of searching finds said valid command statement,  
28 said valid command statement corresponding to at least  
29 one of said plurality of processes, and

30 setting said mode of operation to a wait mode of  
31 operation when said step of processing said valid  
32 command statement is completed.